HLA Management Object Model (MOM) Development

"We see them come.
We see them go.
Some are fast.
And some are slow.
Some are high.
And some are low.

Not one of them
is like another.
Don't ask us why.
Go ask your mother."
– T. S. Geisel

Richard Weatherly, Ph.D.
17 July 1996

High Level Architecture

The MOM Objective

- **The RTI can be managed through its own declaration and object management services**

- **No (or few) RTI management specific services will be needed**

- **The RTI will have a SOM that is available to any FOM designer**

- **RTI management software will attach to the RTI like any normal federate, that is, it will join the federation to be managed**

High Level Architecture

MOM Class Strucutre

- **Object Classes**
  - Mgr
    - RTI
    - Federation
    - Federate

- **Interactions Classes**
  - Mgr
    - Control log files
    - Transfer attribute ownership
    - etc

High Level Architecture

Attributes of Object Class Mgr.RTI

- **Version**
- **List of active federation execution**

High Level Architecture

Attributes of Object Class Mgr.Federation

- **Name, ID**
- **Rate**
- **Status (running, pausing, paused, resuming, saving, restoring)**
- **Next save time**
- **Next save label**
- **RID file name**

High Level Architecture

Attributes of Object Class Mgr.Federate

- **Name**
- **Federation name**
- **Version**
- **Interface host**
- **Current subscriptions**
- **Current publications**
- **List of owned object-attribute pairs**
- **Object count by class**
- **LBTS**
- **LT**

High Level Architecture

Recomended I/F Spec Changes

- ## Additions

  - **None**

- ## Deletions

  - **Submit Query**

  - **Query†**

  - **Query Result†**